

ABSTRACT

1 A dual-panel active matrix organic electroluminescent display comprises an
2 organic electroluminescent display panel, an active matrix panel, and a conducting and
3 adhesive material between these two panels. The organic electroluminescent display
4 panel and the active matrix panel are fabricated separately and then adhered and bonded
5 together. Therefore, the layout portion of a polycrystalline-silicon TFT can be increased.
6 If a heat and pressure adhering method is used to bond the two panels, a transparent light-
7 conducting region is not required for the pixels on the active matrix panel. If a UV light
8 exposure adhering method is used, only a small transparent region is reserved for UV
9 light curing. As a result, the lighting area of the organic electroluminescent display is
10 almost 100%.